

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10582465"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/11 20:47
S2	91	(mackley-m\$ hallmark-b\$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 07:57
S3	36	S2 and (extrud\$3 extrusion extrudate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 07:57
S4	4	"3252183".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 07:59
S5	17	("2331195" "3899283" "4068517" "4919605").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 08:01

S6	80	(US-20070098940-\$).did. or (US-3771934-\$ or US-3812230-\$ or US-3929951-\$ or US-4061461-\$ or US-4113814-\$ or US-4191518-\$ or US-4204821-\$ or US-4296062-\$ or US-4623504-\$ or US-4655987-\$ or US-4710337-\$ or US-4740261-\$ or US-4745238-\$ or US-4997616-\$ or US-5063018-\$ or US-5542937-\$ or US-5601778-\$ or US-5667818-\$ or US-5779959-\$ or US-5922155-\$ or US-6004310-\$ or US-6540734-\$ or US-6572357-\$ or US-7163388-\$ or US-7238886-\$ or US-7329113-\$).did. or (US-7377763-\$ or US-7410602-\$ or US-7550102-\$ or US-7560646-\$).did. or (US-2518454-\$ or US-3274315-\$ or US-3461197-\$ or US-3464450-\$ or US-3588313-\$ or US-3609809-\$ or US-3825641-\$).did. or (EP-1622950-\$ or EP-1783787-\$).did. or (EP-1998341-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 08:49
S7	80	(US-20070098940-\$).did. or (US-3771934-\$ or US-3812230-\$ or US-3929951-\$ or US-4061461-\$ or US-4113814-\$ or US-4191518-\$ or US-4204821-\$ or US-4296062-\$ or US-4623504-\$ or US-4655987-\$ or US-4710337-\$ or US-4740261-\$ or US-4745238-\$ or US-4997616-\$ or US-5063018-\$ or US-5542937-\$ or US-5601778-\$ or US-5667818-\$ or US-5779959-\$ or US-5922155-\$ or US-6004310-\$ or US-6540734-\$ or US-6572357-\$ or US-7163388-\$ or US-7238886-\$ or US-7329113-\$).did. or (US-7377763-\$ or US-7410602-\$ or US-7550102-\$ or US-7560646-\$).did. or (US-2518454-\$ or US-3274315-\$ or US-3461197-\$ or US-3464450-\$ or US-3588313-\$ or US-3609809-\$ or US-3825641-\$).did. or (EP-1622950-\$ or EP-1783787-\$).did. or (EP-1998341-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 08:49
S8	45	(US-20070098940-\$).did. or (US-3771934-\$ or US-3812230-\$ or US-3929951-\$ or US-4061461-\$ or US-4113814-\$ or US-4191518-\$ or US-4204821-\$ or US-4296062-\$ or US-4623504-\$ or US-4655987-\$ or US-4710337-\$ or US-4740261-\$ or US-4745238-\$ or US-4997616-\$ or US-5063018-\$ or US-5542937-\$ or US-5601778-\$ or US-5667818-\$ or US-5779959-\$ or US-5922155-\$ or US-6004310-\$ or US-6540734-\$ or US-6572357-\$ or US-7163388-\$ or US-7238886-\$ or US-7329113-\$).did. or (US-7377763-\$ or US-7410602-\$ or US-7550102-\$ or US-7560646-\$).did. or (US-2518454-\$ or US-3274315-\$ or US-3461197-\$ or US-3464450-\$ or US-3588313-\$ or US-3609809-\$ or US-3825641-\$).did. or (EP-1622950-\$ or EP-1783787-\$).did. or (EP-1998341-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/12 09:31

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S10	860	S9 and (extrud\$3 extrusion)	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 09:31
S11	648	S10 and (hollow\$3 channel\$3 lumen needle capillary)	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 09:32

S12	381	S10 and (hollow\$3 channel\$3 lumen needle capillary) and (air vacuum atmospher\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 09:32
S13	1	10/582465	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 09:49
S14	1	S13 and (fluid draw\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 09:49
S15	3	"6807988".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 09:55
S16	14	("3274315"   "3748214"   "3792951"   "3941157"   "4513048"   "4647489").PN. OR ("5658644").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/12 11:38
S17	37	("3274315").URPN.	USPAT	OR	ON	2010/11/12 11:45
S18	9	("3193547"   "3655846"   "3812230"   "3825641"   "4003973").PN. OR ("4308192").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/12 12:11
S19	62	(264/177.15).ccs. 264/177.15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 13:59
S20	5108	(264/167,172.1,173.17,177.1,177.14,177.16,209.1).ccs. 264/167 264/172.1 264/173.17 264/177.1 264/177.14 264/177.16 264/209.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 14:20

S21	5502	(264/40.3,504,514,515,560,564,565,572).ccls. 264/40.3 264/504 264/514 264/515 264/560 264/564 264/565 264/572	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 14:20
S22	340	S20 and S21	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 14:20
S23	312	S22 and (extrud\$3 extrusion)	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 14:21
S24	199	S22 and (extrud\$3 extrusion) and (hollow\$3 channel\$3 capillar\$3)	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 14:21
S25	165	S24 not S12	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 14:21
S26	10270	S20 S21	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 15:07
S27	532	S26 and (capillar\$3)	US-PGPUB; USPAT; USOCR, EPO; JPO; DERWENT	OR	ON	2010/11/12 15:07

S28	54	S26 and (capillar\$3) with channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 15:07
S29	8	("1677714" "3935357" "3941157" "4477394" "4814228"   "4874522" "5171493").PN. OR ("6787216").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/12 15:08
S30	12	S26 and (capillar\$3) same needle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 15:16
S31	35	("5417909" "6637213" "6939327" "6787216" "5089187" "5171493" "3313000" "3397427" "3014237" "3075242" "5046936" "5094793" "4061821" "4234431" "5725814" "20020174663" "20030212373" "20030082257" "3081490" "3121254" "3397427" "3585684" "3907002" "4002709" "4381912" "20020174663" "6637213" "3372920" "4440195" "5427316").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/12 15:22
S32	703	("0029276" "0585057" "0585058" "1223933" "1677714"   "20010019749"   "20010049499"   "20010051242"   "20010051243"   "20020015820"   "20020038684"   "20020040557"   "20020092256"   "20020192401"   "20020192431"   "2010207"   "2188396"   "2236171"   "2489373"   "2514471"   "2519442"   "2558378"   "2635976"   "2680102"   "2789903"   "2814071"   "2916055"   "2935763"   "2965925"   "3004330"   "3075242"   "3081490"   "3110754"   "3121254"   "3169272"   "3231642"   "3248463"   "3287480"   "3296661"   "3308218"   "3308507"   "3309444"   "3397427"   "3492388"   "3493527"   "3496143"   "3522337"   "3546745"   "3557265"   "3562373"   "3565985"   "3579625"   "3592953"   "3644139"   "3645939"   "3668288"   "3671615"   "3745150"   "3759647"   "3773882"   "3821349"   "3849530"   "3864201"   "3867493"   "3871950"   "3878143"   "3879505"   "3884606"   "3888771"   "3888810"   "3899559"   "3922328"   "3930105"   "3931384"   "3933561"   "3935357"   "3941157"   "3943079"   "3954555"   "3956541"   "3956555"   "3969459"   "3975478"   "3983283"   "4005162"   "4012348"   "4016232"   "4016233"   "4018722"   "4029831"   "4045603"   "4054632"   "4056591"   "4058580"   "4062782"   "4071479"   "4071494"   "4075270"   "4097648"   "4102106"   "4107110"   "4115497"   "4145389"   "4157415"   "4168251"   "4168944"   "4171193"   "4178145"   "4178411"   "4181764"   "4187352"   "4191798"   "4192839"	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/12 15:36

"4203876"	"4209476"	"4221621"	"4228116"	"4229154"
"4234431"	"4239679"	"4241133"	.PN. OR ("4244903"	"4246221"
"4248743"	"4248820"	"4250222"	"4263184"	"4263196"
"4272577"	"4273688"	"4277428"	"4278412"	"4290988"
"4298328"	"4303019"	"4305703"	"4305901"	"4306562"
"4317765"	"4323625"	"4345606"	"4349329"	"4376144"
"4379511"	"4382108"	"4382758"	"4393020"	"4412832"
"4414267"	"4420351"	"4426344"	"4430468"	"4435141"
"4440708"	"4477394"	"4480061"	"4481260"	"4481701"
"4491553"	"4503115"	"4505869"	"4506037"	"4508595"
"4515738"	"4562218"	"4569347"	"4573893"	"4594372"
"4597928"	"4610900"	"4612119"	"4613471"	"4645631"
"4659754"	"4663107"	"4663225"	"4681570"	"4681713"
"4687793"	"4693855"	"4717742"	"4721589"	"4726518"
"4734236"	"4737532"	"4746688"	"4769109"	"4769274"
"4783493"	"4789604"	"4790966"	"4791020"	"4801495"
"4814228"	"4818604"	"4820749"	"4822489"	"4828770"
"4851458"	"4865788"	"4874522"	"4889673"	"4894192"
"4915764"	"4927572"	"4927579"	"4935182"	"4936826"
"4960548"	"4968463"	"4973440"	"4978489"	"4988478"
"5002713"	"5008310"	"5009586"	"5049334"	"5057167"
"5064592"	"5075057"	"5075359"	"5078930"	"5078937"
"5082605"	"5087400"	"5088910"	"5096046"	"5096406"
"5104388"	"5120776"	"5128076"	"5128077"	"5137673"
"5153241"	"5158545"	"5171493"	"5179521"	"5194461"
"5211654"	"5219634"	"5252284"	"5272000"	"5276082"
"5288772"	"5302634"	"5369147"	.PN. OR ("5393536"	"5406768"
"5422170"	"5435954"	"5441801"	"5458834"	"5474722"
"5480602"	"5486553"	"5497594"	"5516472"	"5518677"
"5532065"	"5537789"	"5539027"	"5576374"	"5585155"
"5593625"	"5597586"	"5639276"	"5695874"	"5713867"
"5730914"	"5752937"	"5773138"	"5783125"	"5797952"
"5827462"	"5827607"	"5836128"	"5866264"	"5882564"
"5932334"	"5947977"	"5948505"	"5948524"	"5981067"
"5985429"	"6004668"	"6007656"	"6011091"	"6015611"
"6015612"	"6035588"	"6054207"	"6103791"	"6106944"
"6110146"	"6117924"	"6122877"	"6131355"	"6143016"
"6153293"	"6180257"	"6210616"	"6210792"	"6248813"
"6261316"	"6265037"	"6272808"	"6280667"	"6284098"
"6295778"	"6323279"	"6337138"	"6341458"	"6342172"
"6344504"	"6346160"	"6357197"	"6358460"	"6358585"
"6360508"	"6364892"	"6409952"	"6416529"	"6423257"
"6443941"	"6453630"	"6464913"	"6498205"	"6511757"
).PN. OR				

		("2003/0082257"   "3014237"   "3075242"   "3081490"   "3121254"   "3313000"   "3372920"   "3397427"   "3585684"   "3907002"   "4002709"   "4061821"   "4234431"   "4381912"   "4440195"   "5046936"   "5089187"   "5094793"   "5171493"   "5417909"   "5427316"   "5725814"   "6637213"   "6787216"   "6939327").URPN.				
S33	313	S32 and (extrud\$3 extrusion) and (hollow\$3 channel\$3 capillar\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 15:36
S34	111	S32 and (extrud\$3 extrusion) and (hollow\$3 channel\$3 capillar\$3) and (mandrel core tube) with (air fluid gas)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 15:36
S35	1	"11884688"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/11/12 16:00

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